

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
SBA Shipyards - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #2  
SBA Shipyards

Jennings, LA  
Latitude: 30.1641500 Longitude: -92.6158800

**To:**  
**From:** Mark Hayes, Environmental Engineer, OSC  
**Date:** 2/12/2015  
**Reporting Period:**

## 1. Introduction

### 1.1 Background

Site Number:	A6FX	Contract Number:	EP-W-06-077
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Non-Time-Critical
Response Lead:	EPA	Incident Category:	Removal Assessment
NPL Status:		Operable Unit:	
Mobilization Date:		Start Date:	10/15/2014
Demob Date:		Completion Date:	
CERCLIS ID:	LAD008434185	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E15608	Reimbursable Account #:	

#### 1.1.1 Incident Category

To conduct an OPA removal action on the Alkyne storage pump house and associated buried barge, adjacent stained soils, and the horizontal saddle tank to the northwest of the buried barge.

#### 1.1.2 Site Description

The SBA Shipyard facility (SBA) is situated on approximately 98 acres of land located in a rural-industrial area, at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The site is approximately 2.3 miles southwest (downstream) of Mermentau, Louisiana. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415° North and Longitude 92.61588° West, obtained from a Trimble Geo Explorer 3 Global Positioning System (GPS). This facility is bordered to the north by residents, south by wetlands, west by rural land and wetlands, and east by the Mermentau River. Access to the property is restricted with fencing and locked gates.

According to the Louisiana Department of Environmental Quality (LDEQ) records, SBA used the site for construction, repair, retrofitting, and cleaning of barges from 1965 through 1999. Three barge slips and a dry dock are located off of the Mermentau River. They were used to dock barges during cleaning or repair. Reportedly a landfill was located north of the slip used for disposal of paint cans. Wastes from the barge cleaning operations were managed in a waste management area that included four surface impoundments, a land treatment unit (LTU), and storage tanks. The wastes consisted of petroleum hydrocarbons. The hydrocarbons were separated from the water into surface impoundments that were known as the Oil Pit, Water Pit 1, Water Pit 2, and Water Pit 3.

##### 1.1.2.1 Location

SBA is located at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415° North and Longitude 92.61588° West, obtained from a Trimble Geo Explorer 3 Global Positioning System (GPS).

##### 1.1.2.2 Description of Threat

A partially buried barge within the SBA Shipyard facility was retrofitted and used as a Alkyne storage pump house. Stained soil and oily material have been observed leaking from the Alkyne storage tank pump house and migrating in a southeast direction into a nearby wetland. The analytical results of the samples associated with the Alkyne storage pump house indicated an imminent and substantial endangerment to the nearby wetland area associated with the Mermantau River. The Mermantau River is used for primary and secondary recreation.

### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

EPA and START-3 conducted a removal assessment of the buried barge Alkyne storage pump house at the site on October 15, 2014. The removal assessment addressed the buried barge associated with the Alkyne storage pump house, adjacent stained soils, and the horizontal saddle tank to the northwest of the buried barge. Other field assessment operations included photo and written documentation, measurements of the Alkyne storage pump house visible on the buried barge, and sample collection.

START-3 determined the following measurements of the Alkyne storage pump house visible on the buried barge:

- 50 feet (length) x 20 feet (width) x 7.6 feet (depth). Depth of the buried barge was measured from a hatch opening on the east side of the pump house.

START-3 collected two (2) waste samples from the buried barge Alkyne storage pump house, and one (1) on-site liquid sample from the overhead horizontal saddle tank located 50 feet north of the pump house structure. The two (2) samples collected from the Alkyne storage pump house were sent to the laboratory for the following analysis: VOC, SVOC, PCB, TPH, TAL Metals, TCLP VOCs, TCLP SVOCs, TCLP Metals, Oil and Grease, and TPH as DRO, GRO, and ORO. The one (1) sample collected from the horizontal saddle tank was sent to the laboratory for the following analysis: Total VOCs and Flashpoint.

Sample results indicated that fluid and sludge media samples collected from the Alkyne storage pump house associated with the buried barge contain elevated concentrations of Polycyclic Aromatic Hydrocarbons (PAH) and Total Petroleum Hydrocarbons (TPH) in the form of diesel (DRO) and motor oil range (ORO) organics.

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.1 Narrative**

#### **2.1.2 Response Actions to Date**

Interim removal activities were conducted from March 2001 through January 2005 under an EPA December 2002 Order and Agreement for Interim Measures/Removal Action (IM/RA). As part of the IM/RA, the Oil Pit and wastes from the storage tanks were stabilized and solidified for off-site disposal. Approximately 750,000 gallons of uncontaminated pond water was pumped from the former Water Pit 1 to the drainage ditch that drains to the Mermantau River. The emptied Water Pit 1 was then used to receive treated storm water from the partially buried barge present. Pumpable oil materials were removed from the partially buried barge, which was then used to store contaminated storm water prior to treatment and discharge to the emptied Water Pit 1. Water from the buried barge was treated by sand filtration, followed by granulated activated carbon (GAC). The treated water was then pumped to the Water Pit, analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and Total Suspended Solids (TSS) and discharged. The Water Pit was closed by excavating a six -foot gap in the berm to the "Mermantau River bottomland" directly east of the pit. The partially buried barge, an asphalt tank, and partially scrapped metal from a former 10,000 barrel tank remained onsite after the IM/RA activities were conducted.

In October 2012 a compliant of a release of oil from a barge was reported to National Response Center. The LDEQ and U.S. Coast Guard (USCG) visited and documented a release. EPA and START-3 conducted a site reconnaissance inspection at the site on December 11, 2012. Results of the air monitoring with a MultiRAE and radiation meter indicated no readings observed above background levels for both the MultiRAE five gas meter and radiation meter. In February 2013 the USCG visited the site to reassess conditions. The USCG discovered a second buried barge containing oil known as the Alkyne storage pump house.

EPA and START-3 conducted a Site Inspection (SI) in August 2013 for listing onto the National Priorities Listing (NPL). Field operations during the SI included the collection of on-site waste, surface water, on-site sediment, on-site groundwater, and on-site and background subsurface soil samples. PAHs were detected in percent concentrations from the partially buried barge and at levels above EPA MSSLs and LDEQ RECAP levels in soils from old waste impoundments and barge slips. In addition, EPA and START-3 conducted an Expanded Site Inspection (ESI) in September 2014. Field operations during the ESI included the collection of on-site waste, on-site groundwater, river sediments and on-site wetland sediment samples. Furthermore, stained soil (oily material) is observed from the Alkyne storage pump house heading in a southeast direction into a nearby wetland (SE of the pump house). The stained soil was sampled during the SI in August 2013 and ESI in September 2014.

#### **2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

Notice of Federal Interest were sent to Potentially Responsible Parties (PRPs) on February 10, 2015 and February 12, 2015 to include:

Canal Barge Company, Inc.  
Cenac Marine Services, LLC  
Coastal Tug & Barge, Inc.  
ConocoPhillips Company  
Genae Towing Company  
Hess Corporation  
Higman Marine Services, Inc.  
Ingram Marine Group  
Ionian Management Inc.  
Kenny Sterns  
Kirby Corporation  
LeeVac Shipyard, LLC  
Louis & Suzanne Smailhall  
Marine Operators, Inc.  
Martin Energy Services LLC  
Martin Midstream Partners LP  
National Marine Service  
Penn Maritime Inc  
Sargeant Marine Inc.  
SSIC Remediation, L.L.C.  
Sunoco Inc.  
Talon's Marine & Fuel LLC  
Transerve Marine Inc

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

### 2.2 Planning Section

#### 2.2.1 Anticipated Activities

The removal and disposal will only address the oils and oily materials contained in the buried barge and associated alkyne storage tank pump house, adjacent stained soils, and the horizontal saddle tank to the northwest of the buried barge. Air Monitoring at removal locations.

##### 2.2.1.1 Planned Response Activities

The specific removal and disposal activities are:

- Complete removal of oil and oil impacted contents inside and outside the alkyne storage pump house. Removal and disposal of all oil stained metal and debris. Clean oil stained walls and floors of structure by power washing and recover all residual liquids for removal and disposal.
- Removal of all visible oil impacted soils.
- Complete removal of liquid in horizontal saddle tank.

##### 2.2.1.2 Next Step

Begin removal and disposal activities on the buried barge and associated alkyne storage pump house, adjacent stained soils, and the horizontal saddle tank to the northwest of the buried barge.

#### 2.2.2 Issues

None at this time.

### 2.3 Logistics Section

No information available at this time.

### 2.4 Finance Section

#### 2.4.1 Narrative

The FPN for this site is E15608.

**2.5 Other Command Staff**

**2.5.1 Safety Officer**

No information available at this time.

**2.5.2 Liaison Officer**

No information available at this time

**2.5.3 Information Officer**

No information available at this time

**3. Participating Entities**

**3.1 Unified Command**

No information available at this time.

**3.2 Cooperating Agencies**

US EPA Region 6

Louisiana Department of Environmental Quality

United States Coast Guard

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

**6.1 Internet location of additional information/report**

No information available at this time.

**6.2 Reporting Schedule**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.